

Application No.: 09/611,562

Docket No.: JCLA6244-C1-R

In The Claims:**Claims 1-5 (canceled)**

6. (Currently Amended) A structure of heat transfer fin mounted within a heat exchanger that includes a plurality of heat transfer tubes penetrating through the heat transfer fin, wherein air is supplied orthogonally to said heat transfer tubes, and the heat transfer fin is partitioned in at least one fin unit in which arrays of slits are arranged in a row, the heat transfer fin being characterized in that the arrangement of the arrays of slits satisfies the following formula:

$$W_s \geq [1 - 0.1(6 - N)] \times W_f / (2N + 1)$$

wherein W_s = width of one slit, W_f = width of a fin unit, and N = the number of slits or the number of heat transfer fins [[units]per fin unit.

7. (previously presented) The structure of claim 6, wherein each heat transfer tube has a diameter of about 7mm.

8. (previously presented) A structure of heat transfer fin mounted within a heat exchanger that includes a plurality of heat transfer tubes penetrating through the heat transfer fin, wherein air is supplied orthogonally to said heat transfer tubes, and the heat transfer fin is partitioned in at least one fin unit in which arrays of slits are arranged in a row, the heat transfer fin being characterized in that the width of each slit is within a range of about 0.17 to 0.29 times the diameter of one heat transfer tube.

Application No.: 09/611,562

Docket No.: JCLA6244-C1-R

9. (previously presented) The structure of claim 8, wherein a diameter of one heat transfer tube is about 7mm.

10. (previously presented) A structure of heat transfer fin mounted within a heat exchanger that includes a plurality of heat transfer tubes penetrating through the heat transfer fin, wherein air is supplied orthogonally to said heat transfer tubes, and the heat transfer fin is partitioned in at least one fin unit in which arrays of slits are arranged in a row, the heat transfer fin being characterized in that the spacing between slits in each array is within a range of about 0.18 to 0.5 times the diameter of one heat transfer tube.

11. (previously presented) The structure of claim 10, wherein a diameter of one heat transfer tube is about 7mm.